Ivins City Staff Report
City Council Meeting 5/3/18

Agenda Item: Planning Commission's recommendation regarding a Class V Conditional Use Permit to expand an existing substation, located at approximately 100 South 300 East. Rocky Mountain-Owner/Applicant.

Submitted by: Mike Rodriguez, Building & Zoning Administrator

Recommended City Council Action: Staff has reviewed and recommends approval. Planning Commission recommends approval.

BACKGROUND: Rocky Mountain Power is asking to expand the existing substation use to be in compliance with the allowable uses in the CLM zoning district.

FINDINGS AND ANALYSIS:

- Application is complete.
- The proposed lots and improvements appear to be in compliance with City Ordinances.
- TRC Reviewed 4/12/18
- Planning Commission recommended approval on 4/17/18.

SUPPORT MATERIALS:

- Application
- Vicinity map

Respectfully Submitted:

Mike Rodriguez, Building & Zoning Administrator

Content Review:

Dale Coulam, City Manager

IVINS CITY
55 N. Main St. Ivins, UT 84738
Tel. 435-628-0606 Fax 435-656-2286
www.ivins.com

IVINS CITY
APR - 4 2018
PAID

Rec'd By:	
Filing Fee:	$ 1021.00
Receipt #:	
Date:	4/4/18
Code: 402	

CLASS V CONDITIONAL USE APPLICATION

Chapter 16, Ivins City Zoning Ordinance adopted June 2, 2005

Fee: **With Site Plan** **$1,000**
Without Site Plan **$ 600**

Mailing Fee: $.75 per mailing labels 28 = $21.00

Rocky Mountain Power	
Owner of Record	Agent of property owner
1407 W. North Temple St.	
Address	Address
Salt Lake City, UT 84116	
City, State Zip	City, State Zip
801-220-4584 801-220-2791	
Phone – Fax	Phone Fax
power utility	100 N. 200 E. Ivins, UT
Proposed Use	Project/Property Address
93-0246090	Currently C-1, rezoning to CLM 1.21
Tax ID#	Zone Acreage

M-1 Shyrkel — 4/3/18
Signature of applicant — Date

M-1 Shyrkel — 4/3/18
Signature of property owner — Date

☐ Date Received

☐ Application is complete

4-4-18
Signature of Building and Zoning Administrator — Date

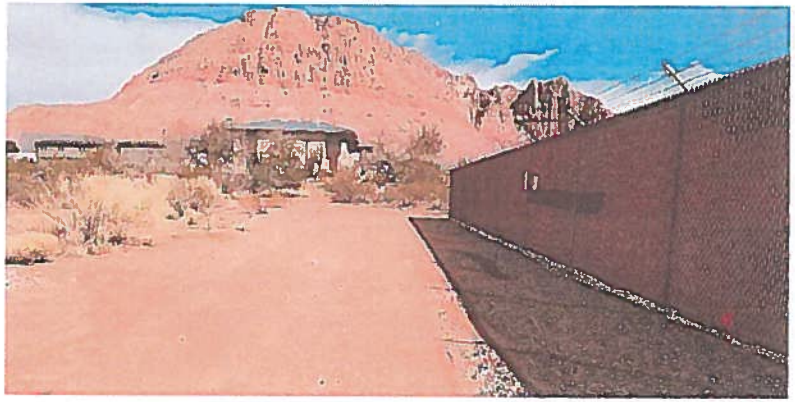
ROCKY MOUNTAIN POWER
A DIVISION OF PACIFICORP

Ivins Substation – Replace Transformer

Summary of Work:
Expand the existing Ivins substation to accommodate a new transformer located approximately 100 North and 200 East, Ivins, UT 84738. Expand the existing fence 65 feet to the south and 37 feet to the west with slatted chain link fencing to match the existing fencing. Install one 30'0" double swing gate and a four foot personal gate. Finish rock will be installed in the expanded area and five feet outside the fence line.

Replace the existing 69-12.5 kV 22.4 MVA transformer at Ivins substation with a new 69-12.5 kV 30 MVA LTC transformer, replace high-side fuses with a new transrupter, replace 69 kV switches, replace circuit breaker 11 and circuit breaker 12 with 1200 amp breakers, and modify low-side bus as needed to accommodate new transformer.

Construction is planned to start late summer 2018 and complete by the end of 2018.



Purpose/Reason:
The Ivins #1 69-12.47 kV, 22.4 MVA transformer was loaded to 90.3% (20.22) of thermal capacity during the summer of 2017. With block loads totaling almost 4 MW and a projected load growth in the area of up to 2.1% per year, it is anticipated that the transformer will be at 113.5% capacity by the summer of 2019. Transferring load to another substation through the distribution system is not an option as there are no nearby substations. This Conditional Use Permit will authorize Rocky Mountain Power to replace the transformer with a 69-12.5 kV 30 MVA transformer.

EXHIBIT "A"

DESCRIPTION FOR AN ADJUSTED LOT LINE (UTAH POWER & LIGHT CO)

BEING A PROPERTY DESCRIPTION FOR A PROPOSED LOT LINE ADJUSTMENT, FOR A PROPERTY LOCATED WITHIN LOT 5 BLOCK 13 OF THE ST. GEORGE AND SANTA CLARA BENCH IRRIGATION COMPANY SUBDIVISION, AND THE NW 1/4, NE 1/4, NW 1/4 OF SECTION 5, TOWNSHIP 42 SOUTH, RANGE 16 WEST, SALT LAKE BASE AND MERIDIAN, WASHINGTON COUNTY, UTAH; SAID PROPERTY BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS;

COMMENCING at the northwest corner of section 5, Township 42 South, Range 16 West, SLBM, a found ring and lid street monument, from which the north quarter of said section 5, a found ring and lid street monument, bears S89°31'42"E, 2,776.39 Feet; thence S78°01'18"E, 1,934.32 Feet to the northwest corner of said property, and the **POINT OF BEGINNING;**

Thence, over and across said Lot 5, the following courses and distances:

S89°39'38"E, 182.00 Feet to a point on the east boundary of Lot 5; thence S01°13'42"W along said east boundary, 238.99 Feet to a point; thence continuing along east boundary S00°53'22"W, 49.67 Feet to the southeast corner of Lot 5, Block 13; thence N89°38'51"W along the south boundary of Lot 5, 182.30 Feet to a point; thence N01°13'42"E departing said south boundary, 288.82 Feet to the **POINT OF BEGINNING**

Said property contains 52,571 SQFT, or 1.21 Acres, more or less

Notes:

1) For additional information, see attached easement plat (Exhibit "B") made in conjunction with and considered an integral part of the above described easement.
2) Bearings shown hereon are grid bearings and are based on Utah State Plane Coordinate System, South Zone (4303), NAD83(2011) Geoid 12B. Distances shown hereon are grid values based on said horizontal datum, measured in U.S. Survey Feet.
3) This description and the attached easement plat (Exhibit "B") were prepared for the purposes of creating an easement and are not intended for use as a property boundary survey.
4) Record information shown hereon is based upon a public records search performed by a title company.
5) Date of Survey: 12/18/2017

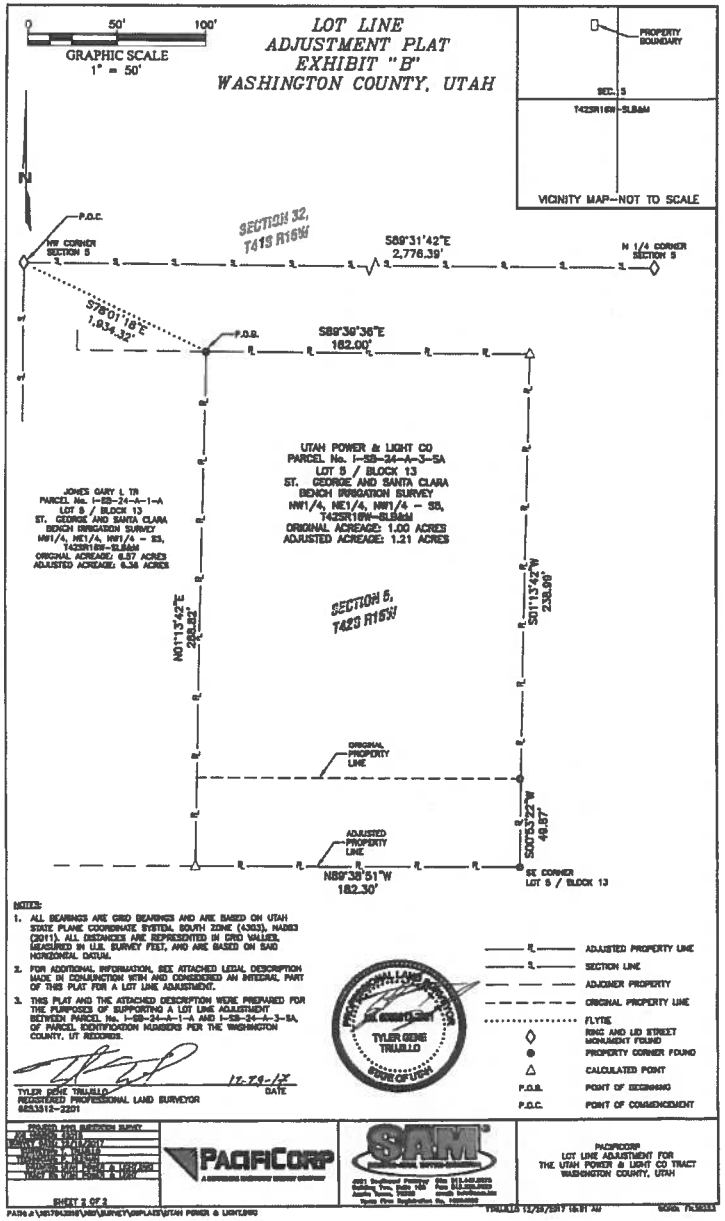


12-29-17

Tyler Gene Trujillo — Date
Registered Professional Land Surveyor
6853512-2201

Surveying And Mapping, LLC
4601 Southwest Parkway
Building Two, Suite 100
Austin, Texas 78735
Tx. Firm Reg. No. 10064300

FN38252



NOTES:

1. ALL BEARINGS ARE GRID BEARINGS AND ARE BASED ON UTAH STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (4303), NAD83 (2011). ALL DISTANCES ARE REPRESENTED IN GRID VALUES. MEASURED IN U.S. SURVEY FEET, AND ARE BASED ON SAID HORIZONTAL DATUM.
2. FOR ADDITIONAL INFORMATION, SEE ATTACHED LEGAL DESCRIPTION MADE IN CONJUNCTION WITH AND CONSIDERED AN INTEGRAL PART OF THIS PLAT FOR A LOT LINE ADJUSTMENT.
3. THIS PLAT AND THE ATTACHED DESCRIPTION WERE PREPARED FOR THE PURPOSES OF SUPPORTING A LOT LINE ADJUSTMENT BETWEEN PARCEL No. I-SB-24-A-1-A AND I-SB-24-A-3-SA, OF PARCEL IDENTIFICATION NUMBERS PER THE WASHINGTON COUNTY, UT RECORDS.

12-19-17
TYLER GENE TRUJILLO
REGISTERED PROFESSIONAL LAND SURVEYOR
DATE
6853512-2201

PROFESSIONAL LAND SURVEYOR
TYLER GENE TRUJILLO
STATE OF UTAH

R	ADJUSTED PROPERTY LINE
S	SECTION LINE
	ADJOINER PROPERTY
	ORIGINAL PROPERTY LINE
	FLYTIE
◇	RING AND LID STREET MONUMENT FOUND
●	PROPERTY CORNER FOUND
△	CALCULATED POINT
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCEMENT

PROJECT MGR: BRENDON BUNDY
FOR: GARRETT TITUS
SURVEY DONE: 12/14/2017
DRAWING BY: TYLER TRUJILLO
CHECKED BY: BRENDON BUNDY
BEARING BASIS: NORTH 0°13'42" EAST
DATUM: NAD83 (2011) UTAH SOUTH ZONE

PACIFICORP
A DIVERSIFIED ENERGY COMPANY

SAM
SURVEY & MAPPING, LLC

PACIFICORP
LOT LINE ADJUSTMENT FOR
THE UTAH POWER & LIGHT CO TRACT
WASHINGTON COUNTY, UTAH

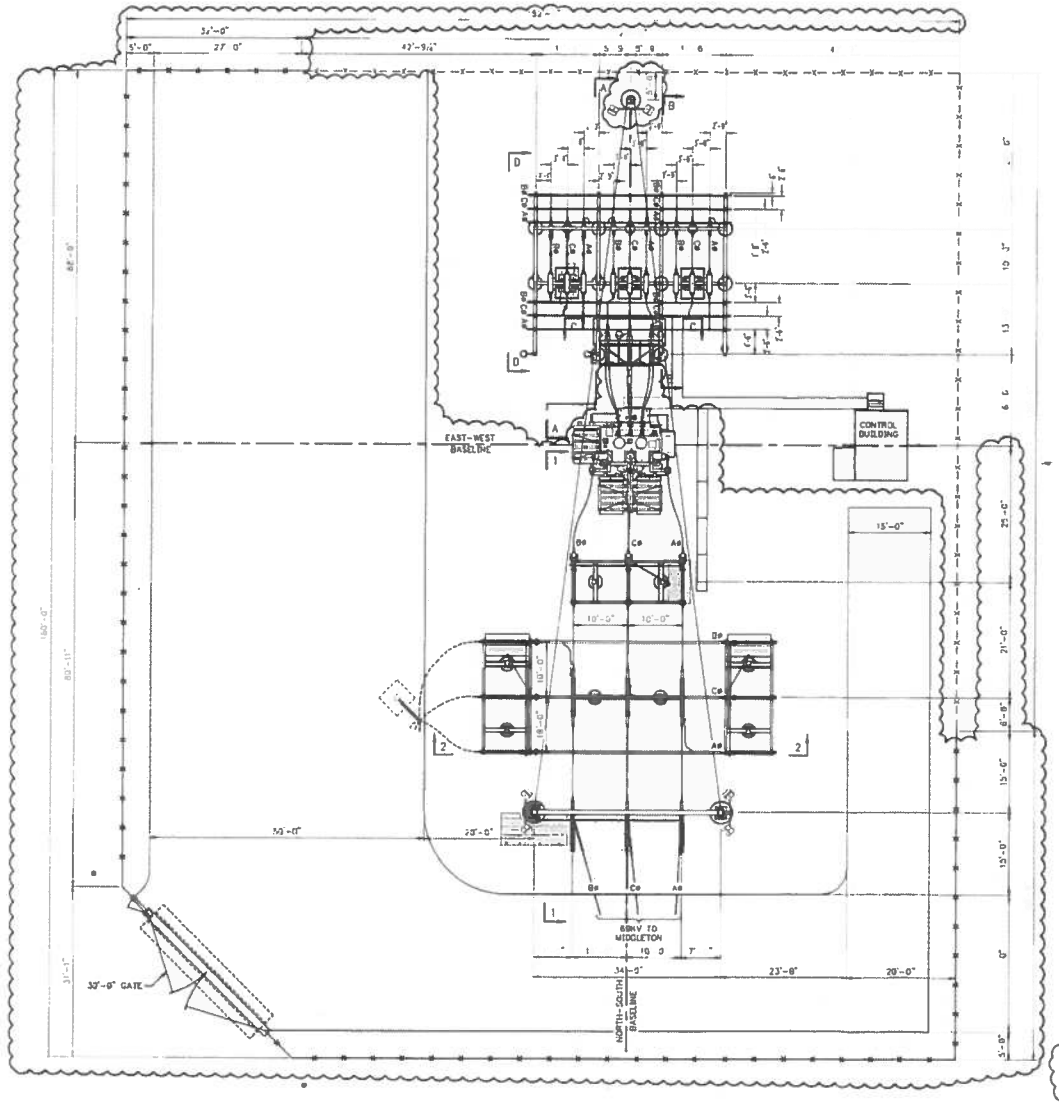
SHEET 2 OF 2

PATH: J:\6579\2018\WDR\SURVEY\WPLATS\UTAH POWER & LIGHT.DWG

TRUJILLO 12/20/2017 10:31 AM

WORK FILE: 6579


E Center St
N 100 E
N 200 E
E Center St
Megan Park
E 20 S
E 60 S
SUBJECT PROPERTY
Water Tank
S 100 E
E 100 S
E 100 S
S 525 E
E 100 S
E 130 S
E 170 S
S 400 E



PARTIALLY REDRAWN ON CAD 1-30-86

AVIAN PROTECTION NOTES

1. PROVISIONS MUST BE BE MADE TO ALLOW PROPER GROUNDING OF SUBSTATION EQUIPMENT AND BUSWORK. GENERALLY, A MINIMUM LENGTH OF 8" OF NON-COVERED BUS SHALL BE MAINTAINED. GAPS IN HOSE SHOULD BE STAGGERED TO MAINTAIN MINIMUM SEPARATION.
2. AVIAN AND ANIMAL ENHANCEMENT MUST PROVIDE A MINIMUM SEPARATION OF 30" VERTICAL CLEARANCE AND 48" HORIZONTAL CLEARANCE.
3. WHEN FIELD CUTTING COVERS TO FIT CONNECTIONS, ENSURE THAT NO LARGE OPENINGS EXIST. THIS CAN BE ACCOMPLISHED BY CUTTING PRECISE HOLE, OR BY CUTTING SLITS RATHER THAN HOLES.
4. USE A PUNCH OR OTHER TOOL TO CREATE WEEP HOLES IN THE BOTTOM OF COVERS TO ALLOW DRAINAGE.

REFERENCE DRAWINGS

99757	DRAWING LIST
96289	ONE LINE DIAGRAM
98282	PLANS & ELEVATIONS
180612	PLANS & ELEVATIONS (2018)

NO.	DATE	REVISIONS	ENGINEER	DES./ DR.	CHECKED	APPROVED
2	10/25/96	REV DRAWING #3 NEW CIRCUIT BREAKER	T. BYRNE/MJP	M.CLARKE/MJP	T. BYRNE/MJP	E.LARSEN/MJP
3	07/27/07	REV DRAWING AS-BUILT SPARE PHASE LABELS		R. ERICK	R. BARNICK	J. BELL
4A	02/14/18	REV DRAWING REPLACE TRANSFORMER, AND REARRANGED & REPLACE CB#1 & CB#2 RELAYS	R. SCHULTZ	J. SPRINGFIELDER	B. BRINKLEY/TCG	D. LAMPERT/CED

PACIFICORP
a subsidiary of PacifiCorp Holdings, Inc.

ELECTRICAL

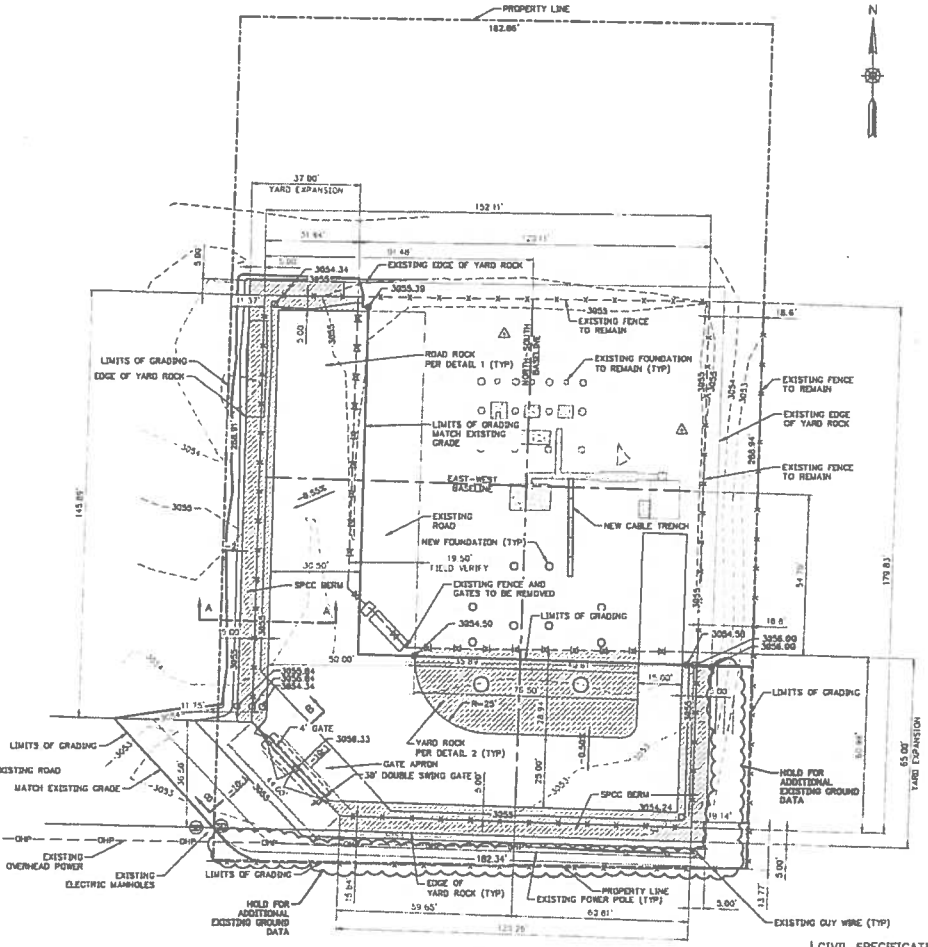
PROJECT#	180612944
JOB#	97762581
DATE	3/28/2018
DRAFTER	GARY G. BLANCK
PROJECT ENG.	
APPROVAL ENG.	
SCALE:	1/32"=1'-0"
SHEET	1 OF 1

IVINS SUBSTATION
WASHINGTON COUNTY, UTAH
GENERAL PLAN

99762581

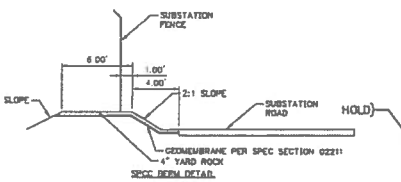
89C1209
4A

JOB/PV # 180612

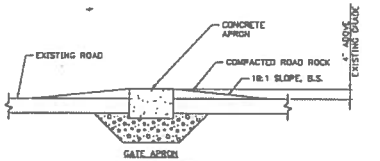


GRADING PLAN

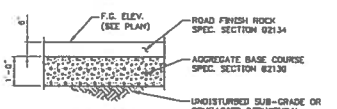
SCALE IN FEET
1"=20'



SECTION A-A
SCALE: NONE

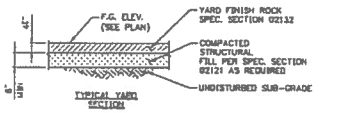


SECTION B-B
SCALE: ½"=1'-0"



TYPICAL ROAD SECTION

DETAIL 1
SCALE: ½"=1'-0"



TYPICAL YARD SECTION

DETAIL 2
SCALE: ½"=1'-0"

CIVIL SPECIFICATION SECTIONS:

- 02230 FENCE REMOVAL
- 02110 CLEARING AND GRUBBING
- 02221 OIL CONTAINMENT LINED BERMS
- 02120 SITE GRADING
- 02121 GENERAL EXCAVATION AND BACKFILL
- 02134 ROAD FINISH ROCK
- 02132 YARD FINISH ROCK
- 02130 AGGREGATE BASE COURSE
- 02273 GEOTEXTILES
- 02910 SEEDING AND EROSION CONTROL
- 02950 SOIL STERILIZATION

LEGEND

- CONTROL POINT
- @100 GRADING POINT MARKER
- POWER POLE
- BASE LINE
- LIMITS OF GRADING
- EDGE OF ROAD
- 5530 EXISTING MAJOR CONTOUR
- 5531 EXISTING MINOR CONTOUR
- 5530 MAJOR CONTOUR
- 5531 MINOR CONTOUR
- CHAIN LINK FENCE W/ BARB
- EXISTING FENCE
- FENCE DEMO
- EROSION CONTROL SILT FENCE
- CHIP EXISTING OVERHEAD POWER LINE
- ROAD ROCK
- YARD ROCK
- AGGREGATE BASE COURSE
- STRUCTURAL FILL
- EXISTING CONCRETE FOUNDATION

PRELIMINARY
02/13/2018

REFERENCE DRAWINGS

UD-76514-04	SITE GRADING AND FENCING PLAN
01758581	SPCC PLAN
142089	FOUNDATION PLAN

GRADING DRAWING NOTES

ESTIMATED QUANTITIES
EARTHWORK QUANTITIES ARE ESTIMATES ONLY. CONTRACTOR TO CALCULATE THEIR OWN BID QUANTITIES. ESTIMATED QUANTITIES ARE IN BANK CUBIC YARDS WITH NO ALLOWANCE FOR SHRINK OR SWELL.

QUANTITIES DO NOT INCLUDE EXCAVATED OR FILL MATERIAL FOR FOUNDATION WORK.

HOLD

LIMITS OF CONSTRUCTION (DISTURBED AREA)_____
TOPSOIL (ORGANICS) REMOVAL_____
EXPORTED OR STOCKPILED SOIL_____
IMPORTED FINISH ROAD ROCK_____
IMPORTED AGGREGATE BASE COURSE_____
IMPORTED FINISH YARD ROCK_____
IMPORTED STRUCTURAL FILL_____

HOLD

LAYOUT:
1. THE BASELINES SHALL BE ESTABLISHED AS SHOWN, AND THE EAST-WEST BASELINE SHALL BE PERPENDICULAR TO THE NORTH-SOUTH BASELINE.
2. THE BASIS OF HORIZONTAL AND VERTICAL CONTROL IS SHOWN ON SHEET 1. THE CONTROL POINT WITH COORDINATES AND ELEVATIONS IS ALSO SHOWN ON SHEET 1. THE CONTRACTOR IS RESPONSIBLE FOR SETTING PROJECT BENCHMARKS AS REQUIRED FROM THE SURVEY MONUMENTS, AND SHALL PROTECT ALL MONUMENTS FROM DISTURBANCE THROUGHOUT CONSTRUCTION. IF ANY MONUMENTS ARE DISPLACED THEY SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
3. COORDINATE SYSTEM USED IS UTM WITH NAD83 DATUM, ZONE 12, US FOOT; CENTRAL MERIDIAN 1110 W.
4. ALL RADII OF INTERNAL ROADWAYS ARE 5 FEET UNLESS OTHERWISE NOTED.

GRADING UNLESS OTHERWISE DESIGNATED:
1. PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL OBTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), GENERAL PERMIT OR NOTICE OF INTENT (NOI) TO BE POSTED ON SITE. THE CONTRACTOR SHALL IMPLEMENT THE BEST MANAGEMENT PRACTICES (BMP'S) AS DEFINED IN THE SWPPP.
2. IF STORM WATER STRUCTURES (SUCH AS DITCHES, PONDS, CATCH BASINS, PIPES, ETC.) ARE INCLUDED IN THE DESIGN OF THE PROPOSED SUBSTATION, THEY SHALL BE INSTALLED AND/OR CONSTRUCTED TO A FINISHED STATE AS SOON AS PRACTICAL IN ORDER TO CONVEY RUNOFF DURING CONSTRUCTION AND TO PREVENT EROSION.
3. THE TOP LAYER OF UNSUITABLE ORGANIC TOPSOIL WITHIN THE GRADING LIMITS SHALL BE STRIPPED TO A MINIMUM DEPTH OF SIX (6) INCHES. AFTER THE SITE HAS BEEN GRADED TO SUB-GRADE THE SITE SHALL BE PROOF-ROLLED WITH A LOADED DUMP TRUCK (WITH 80 P.S.I. TIRE PRESSURE). SOILS THAT ARE OBSERVED TO RUT OR DEFLECT GREATER THAN ONE INCH UNDER THE MOVING LOAD OF THE LOADED DUMP TRUCK SHALL BE STRIPPED TO FIRM, UNDISTURBED SOIL AND REPLACED WITH AN APPROVED BACKFILL PER SPECIFICATIONS.
4. EXCAVATED SOIL THAT CANNOT BE USED FOR FILL OR LANDSCAPING SHALL BE DISPOSED OF OFF-SITE UNLESS PRE-APPROVED TO STOCKPILE AT AN APPROVED LOCATION. TOPSOIL THAT WILL BE USED FOR SEED BEDDING SOIL SHALL BE TEMPORARILY STOCKPILED. RE-SEED ALL CUT AND FILL SLOPES OUTSIDE OF THE SUBSTATION PER NOTE 14.
5. ELEVATIONS SHOWN ON THE GRADING PLAN ARE FINISHED GRADE ELEVATIONS (UNLESS NOTED OTHERWISE), WHICH IS DEFINED AS THE TOP OF FINISH ROCK WHERE YARD AND ROAD ROCK IS SHOWN. THE SUB-GRADE ELEVATIONS ARE BELOW THE FINISH ROCK, WHICH IS THE TOP OF PIT RUN ROCK, STRUCTURAL BACKFILL, AGGREGATE BASE OR UNDISTURBED EARTH. ALL GRADES SHALL BE COMPACTED AS REQUIRED IN THE SPECIFICATIONS. SEE THE TYPICAL SECTIONS AND DETAILS SHOWN ON SHEET 3.
6. THREE (3) INCH COMPACTED THICKNESS OF BASE ROCK SHALL BE PLACED OVER THE SUBSTATION YARD AREA SUB-GRADE FOR A CONSTRUCTION PAD IF WEATHER WARRANTS.
7. CUT AND FILL SLOPES SHALL BE AT A MAXIMUM SLOPE OF 2:1.
8. NATIVE BACKFILL RG-1 (IF APPROVED FOR USE) AND IMPORTED STRUCTURAL FILL RG-2 SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER ASTM D-1557. SEE SITE GRADING SPECIFICATION, SECTION 02120.
9. FINISH ROCK SHALL NOT BE INSTALLED UNTIL ALL UNDERGROUND CONDUITS, GROUNDING AND UTILITIES ARE INSTALLED AND TRENCHES ARE BACKFILLED.
10. ALL AREAS NOT DESIGNATED AS ROADWAYS WITHIN THE SUBSTATION, AND THE FIVE (5) FOOT SHOULDER ADJACENT TO AND OUTSIDE OF THE SUBSTATION FENCE, SHALL RECEIVE FOUR (4) INCHES OF YARD FINISH ROCK. THERE SHALL BE A MINIMUM OF SIX (6) INCHES OF NATIVE RG-1 OR IMPORTED STRUCTURAL FILL RG-2 TO REPLACE THE SUB-GRADE IF IT IS UNSUITABLE AND CANNOT MEET COMPACTION REQUIREMENTS AFTER PROOF-ROLLING. SEE TYPICAL SECTION ON DETAIL SHEET.
11. ALL AREAS DESIGNATED AS NEW ROADWAY SHALL HAVE TWELVE (12) INCHES OF AGGREGATE BASE COURSE AND SIX (6) INCHES OF ROAD FINISH ROCK. SEE TYPICAL SECTION ON DETAIL SHEET.
12. AGGREGATE BASE COURSE AND FINISH ROAD ROCK SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER ASTM D-1557. SEE SPECIFICATIONS FOR DETAILS.
13. FOR GEOTECHNICAL INFORMATION REFER TO THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY

HOLD

14. DISTURBED SLOPES OUTSIDE OF THE SUBSTATION AREA SHALL HAVE A CULTIVATED SURFACE SOIL OR ADEQUATE GROWING MEDIUM IN A CONDITION FAVORABLE FOR SEED GROWTH. REMOVE ALL ROCKS, WEEDS, DEBRIS AND MATTER DETRIMENTAL TO SEED GERMINATION AND GROWTH. THE SEED MIXTURE SHALL INCLUDE A VARIETY OF GRASSES WHICH ARE SUITABLE TO THE LOCAL CLIMATE, AND SHALL BE SUPPLIED BY A STATE CERTIFIED SEED VENDOR. THE SEED AND FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY THE SEED SUPPLIER. IF MULCH IS USED IT SHALL BE FREE OF NOXIOUS WEED SEEDS AND PLANTS, AND IT SHALL BE PROCESSED TO HAVE THE ABILITY TO COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL. THE CONTRACTOR SHALL USE HYDRO-SEEDING TECHNIQUES, OR AN APPROVED EQUIVALENT, TO APPLY THE SEED AND MULCH. IF VEGETATION CANNOT BE ESTABLISHED DUE TO THE CLIMATE CONDITIONS THEN BLANKETS SHALL BE INSTALLED ON SIDE SLOPES THAT ARE VULNERABLE TO EROSION (SEE DETAILS ON SHEET 4). ALL SEEDS AND APPLICATION TECHNIQUES SHALL BE PRE-APPROVED. SEE ALSO NOTES ON THE LANDSCAPING PLAN.

NO.	DATE	REVISIONS	ENGINEER	DES./DR.	CHECKED	APPROVED
1	02/13/18	REVISED SUBSTATION SLAT TO ESE SOUTH AND 70.8' TO THE WEST	G. SUSTAITA	J. MARSTELLER	B. BRADFORD	B. LAMBOURNE

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A DIVISION OF PACIFIC CORP

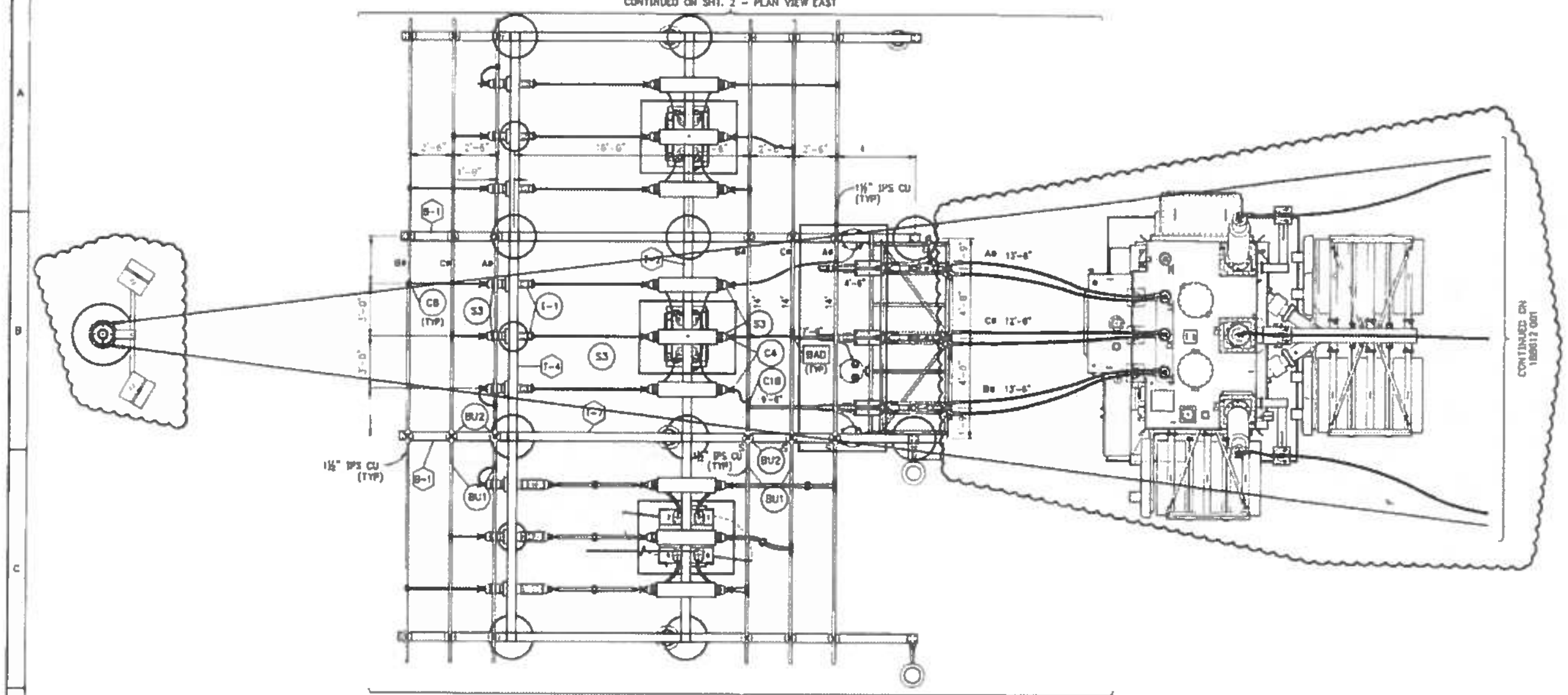
CIVIL

DESIGNER DWG. DATE: 02/13/2018
PROJECT ENG. DAVID BRADFORD
DWG. & SPECIFICATIONS DES. & SPECIFICATIONS: J. MARSTELLER
DRAWN: KJ
DATE: 02/13/2018
SCALE: AS NOTED
SHEET 1 OF 5
APPROVED: BRUCE LAMBOURNE

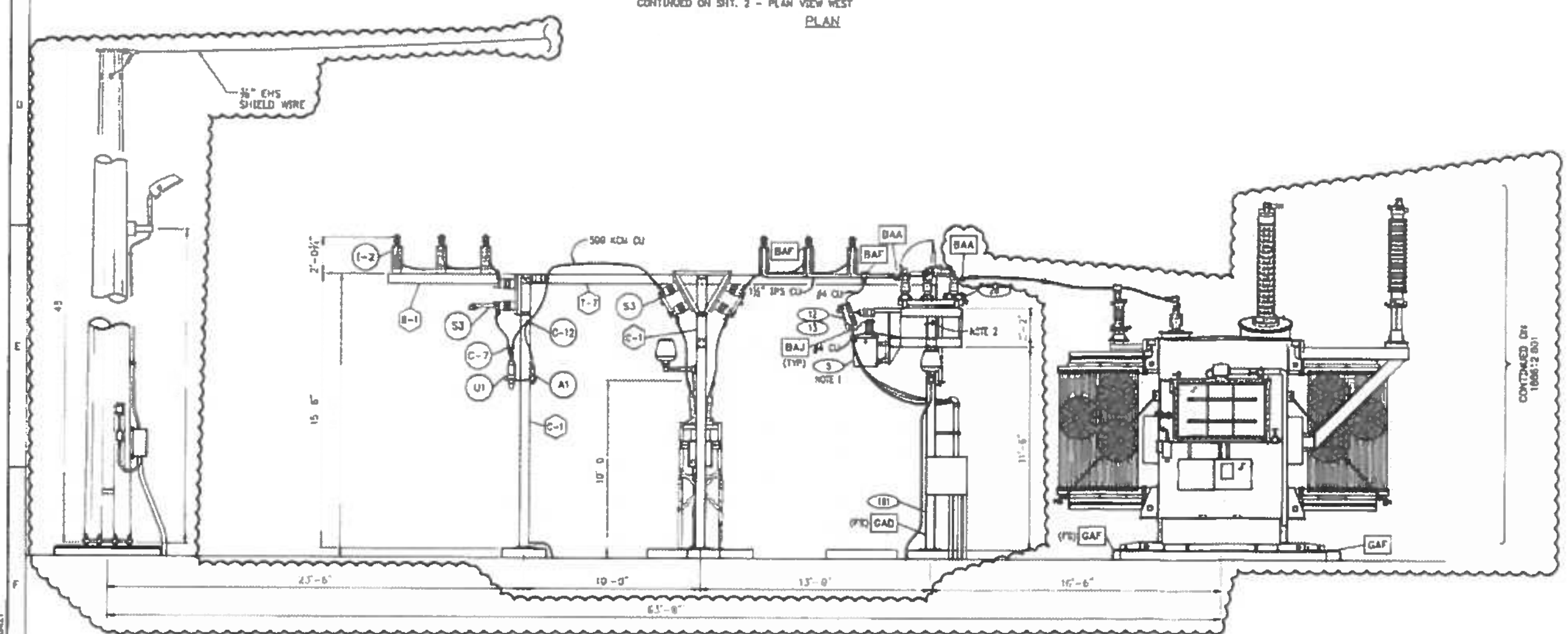
IVINS SUBSTATION
WASHINGTON COUNTY, UTAH
GRADING PLAN
PRELIMINARY SITE DEVELOPMENT - 2018 YARD EXPANSION

REVISION: 0A
187588.001

REVISED 05/02/18 D. HANLEY
FILE LOCATION: I:\workDocs\WSP-248 Jobs\05 Project Dwgs\05 Grading\Grading SAVED BY:(JMARSTELLER) 2/13/2018 2:41 PM PLOTTED BY:(BILL M. MARSTELLER) 2/13/2018 2:48 PM



PLAN



SECTION A-A

REDRAWN ON CAD FROM DWG. NO. 78514S07 THRU S10.

SCALE IN FEET
1/4"=1'-0"

NOTES & LEGEND:

- BAA INDICATES BUS CONNECTION DETAIL SHOWN ON 99783.
- CAA INDICATES CONDUIT & CABLE DETAIL SHOWN ON 99787.
- CAA INDICATES GROUNDING DETAIL SHOWN ON 99784.
- (hexagon) INDICATES ITEM NUMBER SHOWN ON BILL OF MATERIAL DWG 99781
- B-1 INDICATES ITEM NUMBER SHOWN ON EXIST'G BILL OF MATERIAL.
- S3 INDICATES ITEM NUMBER SHOWN ON EXIST'G BILL OF MATERIAL.

1. EXISTING 10KVA STATION SERVICE TRANSFORMER AND FUSES RELOCATED TO OPPOSITE SIDE ON FEEDER STRUCTURE.
2. TOP OF STRUCTURE NOT SHOWN FOR CLARITY.

REFERENCE DRAWINGS

99757	DRAWING LIST
99781	BILL OF MATERIALS
99782	GENERAL PLAN
99783	BUS CONNECTION DETAILS
99785	GROUNDING DETAILS

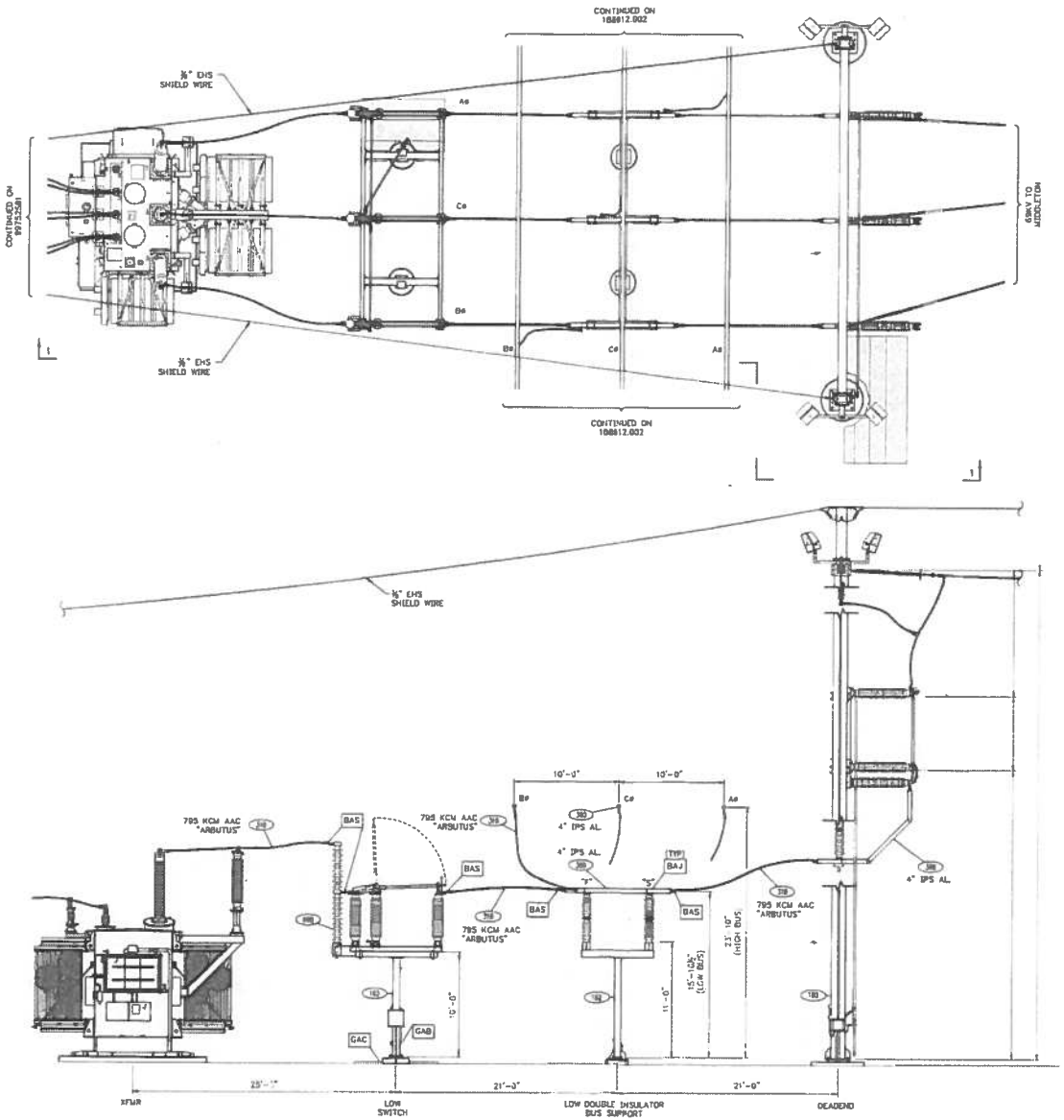
IVINS SUBSTATION
WASHINGTON COUNTY, UTAH
PLANS & ELEVATIONS

ELECTRICAL

PACIFICORP

NO.	DATE	REVISIONS	ENGINEER	DES./DR.	CHECKED	APPROVED
1	08/25/09	WO# 10037528 #3 NEW CIRCUIT BREAKER	T. BYRNES/NLP	M.CASABOL/NLP	T. BYRNE/NLP	[illegible]
2	07/27/11	WO# 10083055 AS-BUILT UPDATE PHASE LABELS		M. RIDGE	R. BURBACH	J. BELL
3A	02/13/18	WO# 10063542 REPLACE TRANSFORMER, ADD DIANCRUPTER & REPLACE CB11 & CB12 RELAYS	B. SOUTH/ECI	J. MADSEN/ECI	D. BRANDT/ECI	B. LANDRES/ECI

REVISION 3A — 99752S01 — SHEET 1 OF 2 — SCALE 1/4" = 1'-0" — DATE 07/09/2000



ELEVATION 1-1

PRELIMINARY
03/30/2018

SCALE IN FEET
3/16" = 1'-0"

NOTES & LEGEND

- BAA — INDICATES BUS CONNECTION DETAIL SHOWN ON 97xxx
- CAA — INDICATES CONDUIT & CABLE DETAIL SHOWN ON 97XXX
- CAA — INDICATES GROUNDING DETAIL SHOWN ON 97XXX
- (ref) — INDICATES ITEM NUMBER SHOWN ON BILL OF MATERIAL 9XXXX

1. 240V RECEPTACLE AND COVER TO BE PROVIDED BY DISTRICT.
2. "I" INDICATES FIXED BUS SUPPORT TO BE WELDED. "S" INDICATES SLIP BUS SUPPORT, NOT TO BE WELDED.
3. TYPICAL STRUCTURE AND EQUIPMENT GROUNDING SHOWN ON GROUNDING DETAILS DRAWING.
4. TYPICAL CONDUIT CONNECTIONS TO EQUIPMENT ARE SHOWN ON CONDUIT & CABLE DETAILS DRAWING.
5. APPROXIMATE LENGTHS OF ALUMINUM TUBING ARE SHOWN ON THE PLAN & ELEVATION VIEWS.
6. FOR SEISMIC CONCERNS, PROVIDE ENOUGH SLACK TO ALLOW 6" OF MOVEMENT.

REFERENCE DRAWINGS

99757	DRAWING LIST
99289	ONE LINE DIAGRAM
99782	GENERAL PLAN

NO.	DATE	REVISIONS	DRAWN	DES. / DR.	CHECKED	APPROVED
1	03/30/18	NEW BREAKER NEW ELEVATION VIEW 1-1, NEW DRAWING	P. DICKINSON	D. DIETERICH	S. BAIRD/ACE	B. LARSEN/CCI

PACIFICORP

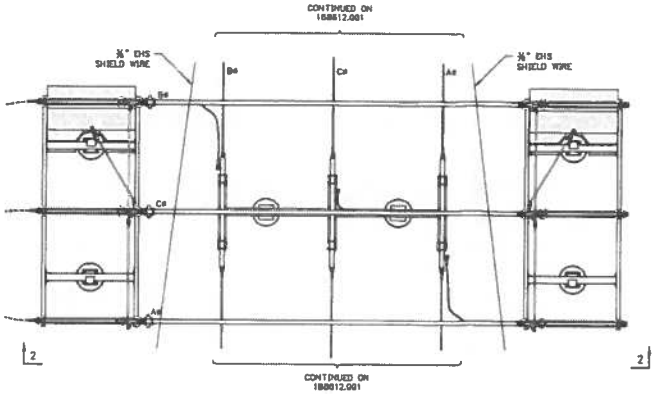
ELECTRICAL ENGINEERING

DESIGN: 10092944 — P. DICKINSON/CCI
DRAWN: PJ 097124 — 03/26/2018 — PROJECT MGR. BAIRD BRADY/CCI
CHKD: DICKINSON/ACE — DES. ENGR. APPROVAL DATE
DES. & CHKD REVIEW: DR. P. DICKINSON/ACE — BRAD LARSEN/CCI
SCALE: 3/16" = 1'-0"

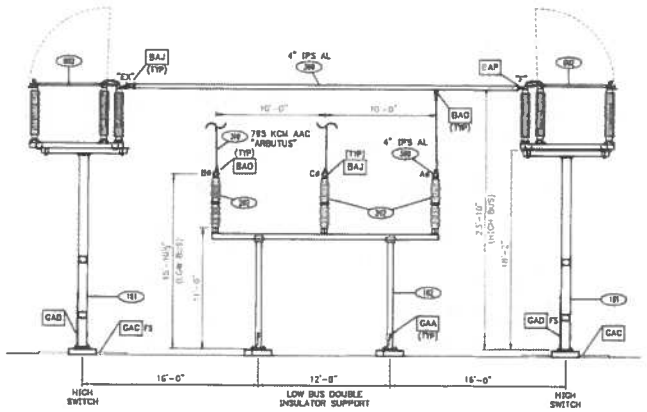
IVANS SUBSTATION
WASHINGTON COUNTY, UTAH
PLANS & ELEVATIONS
ELEVATION 1-1

REVISION NO. 1 — SHEET 2 OF 2 — 188612.001

FILE LOCATION: L:\PacifiCorp\WinP-240 Ivins\05 Project Dwgs\05 Physical\188612.001 SAVED BY: (RANDARD) 3/28/2018 4:34 PM PLOTTED BY: (BARSAL ANSARD) 3/28/2018 4:36 PM



PLAN



ELEVATION 2-2

PRELIMINARY
03/30/2018

SCALE IN FEET
3/16"=1'-0"

NOTES & LEGEND

- BAA — INDICATES BUS CONNECTION DETAIL SHOWN ON 97XXX
- CAA — INDICATES CONDUIT & CABLE DETAIL SHOWN ON 97XXX
- GAA — INDICATES GROUNDING DETAIL SHOWN ON 97XXX
- (YBH) — INDICATES ITEM NUMBER SHOWN ON BILL OF MATERIAL BXXXX

1. 240V RECEPTACLE AND COVER TO BE PROVIDED BY DISTRICT.
2. "F" INDICATES FIXED BUS SUPPORT TO BE WELDED. "S" INDICATES SLIP BUS SUPPORT, NOT TO BE WELDED.
3. TYPICAL STRUCTURE AND EQUIPMENT GROUNDING SHOWN ON GROUNDING DETAILS DRAWING.
4. TYPICAL CONDUIT CONNECTIONS TO EQUIPMENT ARE SHOWN ON CONDUIT & CABLE DETAILS DRAWING.
5. APPROXIMATE LENGTHS OF ALUMINUM TUBING ARE SHOWN ON THE PLAN & ELEVATION VIEWS.
6. FOR SEISMIC CONCERNS, PROVIDE ENOUGH SLACK TO ALLOW 6" OF MOVMENT.

REFERENCE DRAWINGS

99757	DRAWING LIST
96209	ONE LINE DIAGRAM
99762	GENERAL PLAN

NO.	DATE	REVISIONS	ENGINEER	DES. / DR.	CHECKED	APPROVED
6A	03/30/18	REV DRAWING PER ELEVATION NEED 2-1, 4CV DRAWING	J. BERTHOLDT	S. CHRISTOFFERSEN	B. BAIRD/JCS	B. LARKIN/JCS

PACIFICORP
AN ENERGY HOLDINGS COMPANY

ELECTRICAL
PROJECT ENGINEER: PAUL ERICKSON/JCS
PROJECT DRC: DAVID BAIRD/JCS
APPROVAL DRC: BRUCE LARKIN/JCS
PROJECT: 188612.002
DRAWN: 03/30/2018
CHKD: ERICKSON/JCS
DES. / ARCH/JCS
DES. / ENGINEER/JCS
SCALE: 3/16"=1'-0"

IVINS SUBSTATION
WASHINGTON COUNTY, UTAH
PLANS & ELEVATIONS
ELEVATION 2-2

SHEET 7
188612.002
REVISION 6A

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